

## High Heat ABS, POLYLAC<sup>®</sup> Characteristics

April 26, 2012

Properties	Test Method	Test Condition	Unit	PA-777B	PA-777D	PA-777E
Tensile Strength	ASTM D638	3mm, 6mm/min	Kg/cm <sup>2</sup>	435	435	450
Tensile Elongation	ASTM D638	3mm, 6mm/min	%	15	15	10
Flexural Strength	ASTM D790	6mm, 2.8 mm/min	Kg/cm <sup>2</sup>	650	680	700
Flexural Modulus	ASTM D790	6mm, 2.8 mm/min	Kg/cm <sup>2</sup>	22000	23000	23000
Izod Impact Strength	ASTM D256 (Notched)	6mm, 23°C	Kg-cm/cm	20	14	11
		3mm, 23°C		23	17	12
Melt Flow Index	ASTM D1238	200°C, 5Kg	g/10min	-	-	-
		220°C, 10Kg		7.5	5.5	4
Hardness	ASTM D785	-	R Scale	112	115	115
Specific Gravity	ASTM D792	23°C	-	1.03	1.06	1.07
Vicat Softening Temp.	ASTM D1525	3mm, 50°C/hr	°C	115	125	129
Heat Distortion Temp.	ASTM D648	Annealed	°C	107	115	120
		Unannealed		97	105	109
Flammability	UL 94	-	-	1.6mm, HB	1.6mm, HB	1.6mm, HB

Notes : These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests

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